

### **ABSTRACT OF THE DISCLOSURE**

The present invention is a retractable afterburner shroud for use upon a jet engine. The retractable shroud conforms to an outer surface of a jet engine. The afterburner shroud is affixed by a plurality of moveable support arms. The afterburner shroud is retractable. During operation of the afterburner shroud, the afterburner shroud is extended rearward toward the exhaust of the jet engine. A storage tank provides liquid oxygen through the support arms to a mixing ring located within the afterburner shroud. The mixing ring mixes the liquid oxygen and fuel to form a combustible mixture. The combustible mixture is injected into the exhaust wherein the mixture is ignited. The ignited mixture provides additional thrust for the jet engine.